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APPLICATION N	O. F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/875,063		06/06/2001	Warren M. Farnworth	4245US (98-0288)	7843
24247	7590	12/27/2004		EXAM	INER
TRASK	BRITT		RACHUBA, MAURINA T		
P.O. BOX	2550				
SALT LA	KE CITY, U	JT 84110	ART UNIT	PAPER NUMBER	
			3723		

DATE MAILED: 12/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/875,063	FARNWORTH ET AL.				
Office Action Summary	Examiner	Art Unit				
	M Rachuba	3723				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory perions - Failure to reply within the set or extended period for reply will, by staff Any reply received by the Office later than three months after the material earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a re- reply within the statutory minimum of thirty od will apply and will expire SIX (6) MONT tute, cause the application to become AB/	ply be timely filed (30) days will be considered timely. IHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 10	November 2003 and 19 July	<u>2004</u> .				
2a) This action is FINAL . 2b) ⊠ TI	his action is non-final.					
,— ,,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice unde	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
•	Claim(s) 1-32,34-66 and 68-75 is/are pending in the application.					
	4a) Of the above claim(s) <u>1-31,37-65 and 71-75</u> is/are withdrawn from consideration.					
<u></u>	Claim(s) is/are allowed.					
	Claim(s) <u>32,34-36,66 and 68-70</u> is/are rejected.					
7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and	Vor election requirement					
8) Claim(s) are subject to restriction and	aror election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
	10)⊠ The drawing(s) filed on <u>05 March 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
,	Examiner. Note the attached	Since Action of John 1 10 102.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority application from the International Bure 	ents have been received. ents have been received in Apriority documents have been t	oplication No				
* See the attached detailed Office action for a li	,	received.				
Attachment(s)		(DTO 442)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 		ummary (PTO-413))/Mail Date				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date		formal Patent Application (PTO-152)				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10 November 2003 has been entered.

Election/Restrictions

- 2. Applicant's election without traverse of group II in Paper No. 5 is acknowledged.
- 3. Claims 1-31, 37-65 and 71-75 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in Paper No. 5.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 32, 35, 66, 67, 69 and 70 are finally rejected under 35 U.S.C. 102(b) as being clearly anticipated by Wark et al, 5,809,987. Note figures 3 and 5. The examiner is interpreting "semiconductor device" to include the tape **18**. Alternatively, the

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examiner considers that the vacuum, while acting on the tape, must also act on the wafer as the wafer is in contact with the tape, before, during and after dicing.

Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 34, 36, 68 and 70 are rejected under 35 U.S.C. 103(a) as being obvious over Wark et al '987 in view of Ishiwata et al, '023. '987 do not disclose the method of sawing the devices from the substrate at substantially the same time. '023, in a similar method, teaches sawing the devices from the substrate at substantially the same time. It would have been obvious to one of ordinary skill to have provided '987 with the method step of sawing the devices at substantially the same time, as taught by '023, to perform dicing at an increased efficiency. See the abstract.

Response to Arguments

8. Applicant's arguments filed 10 November 2003 have been fully considered but they are not persuasive. Please refer to the rejection above. It is the examiner's position that the vacuum chuck disclosed by '987 does provide a vacuum force to a portion of at least one of the devices as set forth above.

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Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M Rachuba whose telephone number is **(571) 272-4493**. The examiner can normally be reached on Monday-Thursday from 8:30 AM to 3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Hail, can be reached on (571) 272-4485. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

12/15/04

M. Rachuba

Primary Patent Examiner